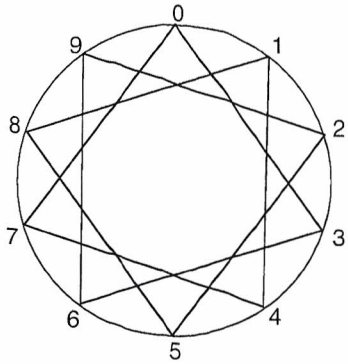
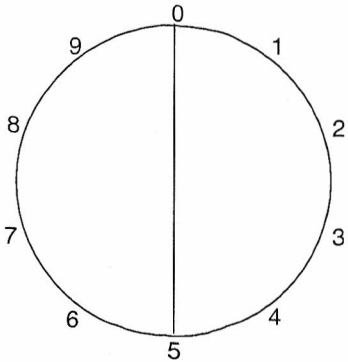


Lesson 6

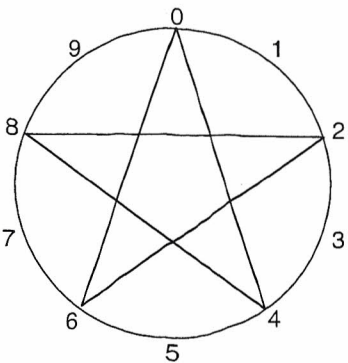
1)



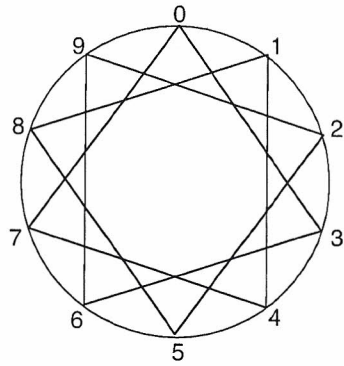
2)



3)



4)



- 5) 3 facts and 7 facts
- 6) 12
- 7) 28
- 8) 88; multiply one less than the number of weeks by four to get the number of rooms

Lesson 7

- 1) add 7 to the last number to find the next number in the sequence
- 2) 35
- 3) square the last number to find the next number in the sequence
- 4) 65,536
- 5) add one more to the last number each time: $1 + 4 = 5$; $5 + 5 = 10$; $10 + 6 = 16$
- 6) $16 + 7 = 23$
 $23 + 8 = 31$
- 7) add twice as many to the last number each time: $1 + 2 = 3$; $3 + 4 = 7$; $7 + 8 = 15$
- 8) $15 + 16 = 31$
 $31 + 32 = 63$
- 9) add the last two numbers in the sequence to find the next
 $1 + 2 = 3$; $2 + 3 = 5$; $3 + 5 = 8$
- 10) $5 + 8 = 13$
 $8 + 13 = 21$

11)

step	1	2	3	4	5	6	7
blocks	1	3	6	10	15	21	28

- 12) add one more than the number that was added in the previous step
 $28 + 8 = 36$
- 13) Take the number of steps times one more than the number of steps, and divide by 2.
If you figured that out without looking, give yourself a pat on the back!
 $9(9 + 1) \div 2 =$
 $9(10) \div 2 =$
 $90 \div 2 = 45$